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Applicant: Kaewell, Jr. et al.
Application No.: 09/356,845

Technology Center 2600

a primary station communicating with a plurality of stations, the primary station including a radio having a receiver and a transmitter wherein:

5 (i) said transmitter transmits synchronization information including an assignment of n transmission fixed periodic time slots, where n is an integer greater than 1, and n reception fixed periodic time slots on a selected frequency;

(ii) said radio transceives a duplex telephonic communication with the plurality of stations on the selected frequency wherein:

10 (a) said transmitter transmits TX speech information to each of the plurality of stations in a respective one of the n transmission time slots on the selected frequency; and

(b) said receiver receives RX speech information from each of the plurality of stations in one of the n reception time slots on the selected frequency; and

15 the plurality of stations including:

a base station receiving from the primary station the TX speech information originated from a secondary station in said respective transmission time slot and transmitting the RX speech information in said respective reception time slot; and

the secondary station having:

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(i) a radio receiver which receives the synchronization information from the primary station and identifies the assignment of time slots and which receives from the primary station the TX speech information originating from the base station in said respective transmission time slot; and

(ii) a radio transmitter which transmits the RX speech information in said respective reception time slot; and

wherein using the primary station for transmissions between the base station and secondary station is transparent to the base station and secondary station, and the primary station or the secondary station itself detects a frame timing from received signals and aligns its transmitting frame timing accordingly.

Sub 10.
10. (Thrice Amended) A telecommunication station for communicating with a base station and a secondary station using wireless transmissions, the station comprising:

a transmitter which:

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(i) transmits synchronization information including the assignment of $2n$ fixed periodic time slots, where n is an integer greater than 1, on a selected frequency, n fixed periodic transmit time slots for transmission from said telecommunication station and n fixed periodic reception time slots for reception by said telecommunication station; and

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E2
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(ii) transmits TX information to the base station and the secondary station on the selected frequency in respective ones of said n assigned transmit slots; and a receiver which receives RX information from the base station and the secondary station on the selected frequency in respective ones of said n assigned reception slots; and wherein using the telecommunication station for communications between the base station and secondary station is transparent to the base station and secondary station, and the primary station or the secondary station itself detects a frame timing from received signals and aligns its transmitting frame timing accordingly.

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(Thrice Amended) A telecommunication station for communicating with a base station and a secondary station using wireless transmissions, the telecommunication station comprising:

a transmitter which:

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Cont.

(i) transmits synchronization information including the assignment of fixed periodic time slots on a selected frequency, at least two fixed periodic transmit time slots for transmission from said telecommunication station and at least two fixed periodic reception time slots for reception by said telecommunication station; and

10 (ii) transmits a signal carrying information received from the base station
on the selected frequency in a first assigned transmit slot and carrying information received
from the secondary station on the selected frequency in a second assigned transmit slot; and
a receiver which:

(i) receives the information transmitted from the base station on the
selected frequency in a first assigned reception slot; and

15 (ii) receives the information transmitted from the secondary station on the
selected frequency in a second assigned reception slot; and

20 wherein using the telecommunication station for communications between the base
station and secondary station is transparent to the base station and secondary station, and the
primary station or the secondary station itself detects a frame timing from received signals
and aligns its transmitting frame timing accordingly.

REMARKS

Claims 11, 13-23, 25-27, 29 and 30 are pending in the present application. The
Examiner has rejected claims 11, 13-23, 25-27, 29 and 30 under 35 U.S.C. 102(b), as being
anticipated by Schlosser et al. (U.S. Patent No. 3,879,584) (hereafter '581 patent).